

JP8112969 -

Publication Title:

THERMAL TRANSFER RECORDING MATERIAL

Abstract:

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PURPOSE: To obtain a recording material in which a multiple gradation color image, etc., is formed only by areal gradation, and a dot shape including an edge sharpness of the image is excellent by setting the tensile rupture stress of a heat sensitive ink layer to a specific value or less. **CONSTITUTION:** A thermal transfer recording material thermally transfers a heat sensitive ink layer to an image receiving sheet material by a thermal head printer or a laser light source to form a multiple gradation color image, etc., only by an areal gradation, wherein the tensile rupture stress of the ink layer is set to 10MPa or less. The 180 deg. releasing force of the image receiving surface of an image receiving sheet from the heat sensitive ink layer surface at the releasing speed of 500mm/min after thermal printing is set to 0.3dyn/mm or more. Preferably, it contains the heat sensitive ink layer containing a pigment of 30-70 pts.wt. and amorphous organic high-molecular-weight polymer having a softening point of 40-150 deg.C of 25-60 pts.wt. Further, the particle size of 70% or more of the pigment in the layer is 1.0 μ m or less, and the optical reflection density of the transferred image is 1.0 or more on a white support. Data supplied from the esp@cenet database - Worldwide

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